

Abstract of the Disclosure:

Light-leakage type photocatalyst fibers (10) are bundled together to form a filter assembly having an enormous number of minute gaps which provide fluid communication paths in a longitudinal direction of the photocatalyst fibers. Light is incident to each of the photocatalyst fibers constituting the filter assembly while an object fluid to be processed is introduced through an end face of the filter assembly to pass through the gaps among the photocatalyst fibers in the longitudinal direction.